

ALASKA STATE LEGISLATURE

LEGISLATIVE BUDGET AND AUDIT COMMITTEE Division of Legislative Finance



P.O. Box 113200
Juneau, AK 99811-3200
(907) 465-3795
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www.legfin.state.ak.us

MEMORANDUM

DATE: August 27, 2009

TO: Legislative Budget and Audit Committee

FROM: David Teal
Director

SUBJECT: University RPL Request

OMB submitted the following RPL for consideration by the Legislative Budget and Audit Committee. The RPL is posted on our web site at <http://www.legfin.state.ak.us/> so that committee members can print and review the request.

RPL#	Agency	Appropriation/Allocation/Program	Amount	Fund Source
45-0-1133 <i>Capital</i>	University of Alaska	Combined Request for ARRA Grants Funding (16 Awards)	\$7,985,664	ARRA Funds-CIP

cc:	Senator Meyer	Senator Hoffman	Linda Hay
	Representative Dahlstrom	Senator Huggins	Paulyn Swanson
	Representative Hawker	Senator Menard	James Armstrong
	Representative Neuman	Senator Stedman	Pat Davidson
	Representative Thomas	Senator Olson	John Bitney
	Representative Doogan	Josh Applebee	
	Representative Stoltze	Tim Grussendorf	
	Representative Tuck	Miles Baker	

University of Alaska

Subject of RPL Combined request for ARRA Funding	ADN/RPL #: 45-0-1133
Amount Requested: \$4,794,619 amended to \$7,985,664 8/31/09	Appropriation Authority: Sec. 4, Ch. 17, SLA 2009, Page 9, Lines 12-16
Funding Source: Federal Stimulus: ARRA 2009 - Capital	Statutory Authority: AS 14.40.40

PURPOSE

The requested federal stimulus receipt authority will allow the University of Alaska to accept the following awards:

As of 8/25/09

NSF: Collaborative Research: Sustaining and amplifying the ITEX AON through automation and increased interdisciplinarity of observations in the amount of \$591,914 for the period 8/15/2009 through 7/31/2014, award ARC-0856728.

NIH: MRF4 Expression and Regulation in *Xenopus* in the amount of \$197,600 for the period 8/12/2009 through 7/31/2012, award 1 R15 HD060010-01.

NSF: MRI Acquisition: Detecting and monitoring changes in the arctic using stable isotope techniques in the amount of \$588,056 for the period 9/1/2009 through 8/31/2012, award DBI-0923571.

NSF: Collaborative Research: An interdisciplinary monitoring mooring in the western arctic boundary current: Climatic forcing and ecosystem response in the amount of \$195,417 for the period 8/15/2009 through 7/31/2014, award ARC-0856210.

NSF: Collaborative Research: Postseismic deformation of the Earth after the great 2006-2007 Kuril earthquake doublet: Implications for mantle rheology in the amount of \$28,503 for the period 8/1/2009 through 7/31/2010, award EAR-0911359.

NSF: Collaborative Research: Analysis and attribution of changes in Siberian hydroclimate and implications for the future in the amount of \$283,374 for the period of 9/1/2009 through 8/31/2012, award ARC-909525.

NSF: Collaborative Research: Quantifying Glacier-Fjord-Ocean Interactions and Their Impact on Changing Ice Discharge: Kangia Nunata Sermia and Other Outlets, West Greenland in the amount of \$726,018 for the period 9/1/2009 through 8/31/2012, award ARC-0909552.

NSF: Collaborative Research: Seasonality of circumpolar tundra - ocean and atmosphere controls and effects on energy and carbon budgets in the amount of \$369,016 for the period of 9/1/2009 thru 8/31/2012, award ARC-0902175.

NSF: Collaborative Research: Thermospheric Neutral Wind Observation from the Antarctic Peninsula in the amount of \$124,981 for the period 9/1/2009 through 8/31/2012, award ANT-0839110.

NSF: Environmental change in the Arctic Ocean: a synthesis and retrospective analysis of zooplankton communities in the amount of \$379,491 for the period 8/15/2009 through 7/31/2013, award ARC-909571.

NSF: Investigating Hydrologic Loading in Southeast Alaska Using GRACE and GPS Data in the amount of \$432,522 for the period 9/1/2009 through 8/31/2012, award EAR-0911764.

NSF: Documenting Tlingit (TLI) conversations in Video and Time-Aligned Text in the amount of \$449,852 for the period 9/1/2009 through 8/31/2012, award BCS-0853788.

Corp for National and Community Service: AmeriCorps*VISTA project in the amount of \$5,000 for the period 3/29/2009 through 3/31/2012, award 09RVPK001.

NSF: Modeling harvesting behavior to understand adaptation, mitigation, and transformation in northern subsistence systems in the amount of \$316,779 for the period 8/15/2009 through 7/31/2012, award ARC-0909570.

NSF: SGER: Test Excavations at Little Delta Dune Site, Central Alaska in the amount of \$91,039 for the period of 9/1/2009 through 8/31/2010, award ARC-0813819.

NSF: Doctoral Dissertation Improvement Grant: Special Delivery Transporting Iñupiat Mothers and Babies in Northwest Alaska in the amount of \$15,057 for the period of 9/15/2009 through 8/31/2010, award ARC-0909635.

Total \$4,794,619

Added 8/31/09

NSF: Investigation of Upland Sites in the Central Aleutian Islands in the amount of \$430,063 for the period of 9/1/2009 through 8/31/2012, award ARC-0909244.

NSF: Bering Sea Sub Network: A Distributed Human Sensor Array to Detect Arctic Environmental Change in the amount of \$545,143 for the period of 9/1/2009 through 8/31/2014, award ARC-0856305.

NSF: Collaborative Research: What is the Nenana Complex? New Excavations at the Late-Pleistocene Owl Ridge Site, Central Alaska Late-Pleistocene Owl Ridge Site, Central Alaska in the amount of \$25,819 for the period of 9/1/2009 through 8/31/2011, award BCS-0917667.

NSF: Continuing Support for Aleut Linguistics and Language Learning Materials in the amount of \$184,616 for the period of 9/1/2009 through 8/31/2011, award ARC-0807245.

NSF: CMG COLLABORATIVE RESEARCH: Mathematics and Electromagnetics for Monitoring Transport Processes in Sea Ice in the amount of \$308,728 for the period of 10/1/2009 through 9/30/2013, award ARC-0934683.

NSF: Collaborative Research: A winter expedition to explore the biological and physical conditions of the Bering, Chukchi, and Southern Beaufort Seas in the amount of \$336,800 for the period of 9/15/2009 through 8/31/2012, award ARC-0909193.

NSF: Plate Boundaries Around the Chukchi Borderland; An Integrated Geophysics Cruise to Test Models for the Formation of the Canada Basin in the amount of \$607,031 for the period of 9/1/2009 through 8/31/2012, award ARC-0909568.

NSF: A Workshop on Climate Change as an Indigenous Issue in the amount of \$49,818 for the period of 9/1/2009 through 8/31/2010, award ARC-0950427.

NSF: Role of Ice in High Latitude Nitrogen Atmospheric Chemistry in the amount of \$161,037 for the period of 9/1/2009 through 8/31/2011, award ATM-0926220.

NSF: Collaborative Research: Plant-herbivore interactions mediated by toxin-determined functional response in the amount of \$50,812 for the period of 9/1/2009 through 8/31/2012, award DMS-0920917.

NSF: Alaska Native Language and Oral History Digital Audio Resources in the amount of \$491,178 for the period of 9/15/2009 through 8/31/2011, award ARC-0957136
Total \$3,191,045

The awards are federally funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated April, 2009.

PREVIOUS LEGISLATIVE CONSIDERATION

The projects were not previously considered. They are new multi-year federal awards issued since July 28, 2009 and have not been requested as part of the University's budget.

TIMING ISSUES

On February 17, 2009, President Obama signed into law the American Recovery and Reinvestment Act of 2009, which authorized short-term federal spending designed to stimulate the American economy. Federal stimulus receipt authority was not included in the FY10 budget because ARRA funding was not available for application until February 17, 2009.

BUDGETARY ISSUES

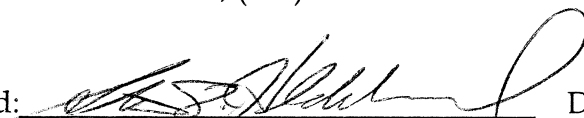
These projects are directly aligned with the University of Alaska's long term plans and missions for the University of Alaska Fairbanks: "The University of Alaska Fairbanks, the nation's northernmost Land, Sea and Space Grant University and international research center, advances and disseminates knowledge through teaching, research and public service with an emphasis on Alaska, the circumpolar North and their diverse peoples. UAF - America's Arctic University - promotes academic excellence, student success and lifelong learning", the University of Alaska Anchorage: "The mission of the University of Alaska Anchorage is to discover and disseminate knowledge through teaching, research, engagement, and creative expression," and the University of Alaska Southeast: "The University of Alaska Southeast is an open enrollment, public university that provides postsecondary education for a diverse student body. UAS promotes student achievement and faculty scholarship, lifelong learning opportunities, and quality academic programs."

No State General Funds will be used, nor is any match required. The federal stimulus funds will be expended during the period FY10 through FY15. This request adds an additional \$7,985,664 to the University's existing federal economic stimulus authority for competitive, discretionary, and incentive grants capital project appropriation contained within Sec. 4, Ch. 17, SLA 2009.

Copies of the award documents and budgets for each project are attached.

Agency Contact: Michelle Rizk, (907) 450-8187

OMB Approved:



Date: August 31, 2009

STATE OF ALASKA

OFFICE OF THE GOVERNOR

OFFICE OF MANAGEMENT AND BUDGET

SEAN PARNELL, GOVERNOR

P.O. BOX 110020
JUNEAU, ALASKA 99811-0020
TELEPHONE: (907) 465-4660
FAX: (907) 465-3640

August 31, 2009

The Honorable Kevin Meyer
Chairman
Legislative Budget and Audit Committee
State Capitol, Room 101
Juneau, AK 99801-1182

Dear Chairman Meyer:

I am submitting the following the following *revised* Legislative Revised Program (RPL) for consideration at a special meeting of Legislative Budget and Audit Committee meeting. This is being requested by the University of Alaska to receive time critical grant awards funded from the federal American Recovery and Reinvestment Act of 2009.

RPL#	Agency	Program
45-0-1133	University of Alaska	Authority Needed for ARRA Grants Funding - multiple grants \$7,985,664 ARRA funds - CIP

If you have any questions regarding this RPL, please call or email the agency contact.

Sincerely,



Karen J. Rehfeld
Director

Enclosures

cc: David Teal, Legislative Finance

Michelle Rizk, Associate VP
Budget
(907) 450-8180
(907) 450-8181 fax
Michelle.rizk@alaska.edu



Office of Planning & Budget
SW Administration & Finance
PO BOX 755260
910 Yukon Drive Ste. 108
Fairbanks, AK 99775-5260

August 31, 2009

Steve Hildebrand
Chief Budget Analyst
P.O. Box 110020
Juneau, Alaska 99811

Dear Mr. Hildebrand,


Based on the August 14th LB&A meeting, the LB&A Committee must approve receipt authority for each individual project UA receives stimulus funding for before any funds may be expended.

Since the August LB&A meeting, UA received 16 stimulus awards totaling \$4.8 million that are now pending approval of stimulus authority from the LB&A Committee. OMB sent the background materials for the awards to LB&A on August 25th.

Since materials for those 16 awards were sent for the special LB&A meeting, UA has received an additional 11 grants totaling \$3.2 million (see attached spreadsheet included in the RPL packet).

UA is requesting the amount of RPL 45-0-1133 be amended to \$7,985,664 to include the additional 11 grants. Included within the RPL packet are the award documents for each of the 11 projects. Please let me know if additional information is necessary.

Sincerely,



Michelle Rizk

ARRA Award #	Title	Authority	Agency	Campus	Amount	Start Date	End Date
ARC-0909244	Investigation of Upland Sites in the Central Aleutian Islands	NSF	NSF	UAA	430,063	9/1/2009	8/31/2012
ARC-0856305	Bering Sea Sub Network: A Distributed Human Sensor Array to Detect Arctic Environmental Change	NSF	NSF	UAA	545,143	9/1/2009	8/31/2014
BCS-0917667	Collaborative Research: What is the Nenana Complex? New Excavations at the Late-Pleistocene Owl Ridge Site, Central Alaska Late-Pleistocene Owl Ridge Site, Central Alaska	NSF	NSF	UAF	25,819	9/1/2009	8/31/2011
ARC-0807245	Continuing Support for Aleut Linguistics and Language Learning Materials	NSF	NSF	UAF	184,616	9/1/2009	8/31/2011
ARC-0934683	CMG COLLABORATIVE RESEARCH: Mathematics and Electromagnetics for Monitoring Transport Processes in Sea Ice Transport Processes in Sea Ice	NSF	NSF	UAF	308,728	10/1/2009	9/30/2013
ARC-0909193	Collaborative Research: A winter expedition to explore the biological and physical conditions of the Bering, Chukchi, and Southern Beaufort Seas	NSF	NSF	UAF	336,800	9/15/2009	8/31/2012
ARC-0909568	Plate Boundaries Around the Chukchi Borderland; An Integrated Geophysics Cruise to Test Models for the Formation of the Canada Basin	NSF	NSF	UAF	607,031	9/1/2009	8/31/2012
ARC-0950427	A Workshop on Climate Change as an Indigenous Issue	NSF	NSF	UAF	49,818	9/1/2009	8/31/2010
ATM-0926220	Role of Ice in High Latitude Nitrogen Atmospheric Chemistry	NSF	NSF	UAF	161,037	9/1/2009	8/31/2011
DMS-0920917	Collaborative Research: Plant-herbivore interactions mediated by toxin-determined functional response	NSF	NSF	UAF	50,812	9/1/2009	8/31/2012
ARC-0957136	Alaska Native Language and Oral History Digital Audio Resources	NSF	NSF	UAF	491,178	9/15/2009	8/31/2011
					3,191,045		

Approved & accepted
K. Weather
8/25/09

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National Science Foundation

4201 WILSON BOULEVARD, ARLINGTON, VIRGINIA 22230

Award Date:
Award No.
Proposal No.

August 25, 2009
ARC-0909244
ARC-0909244

Dr. Robert G. White
V.P. for Graduate Studies and Research Council
University of Alaska, Anchorage
3211 PROVIDENCE DRIVE
ANCHORAGE, AK 99508-4614

Dear Dr. White:

The National Science Foundation hereby awards a grant of \$430,063 to University of Alaska, Anchorage for support of the project described in the proposal referenced above.

This project, entitled "Investigation of Upland Sites in the Central Aleutian Islands," is under the direction of Diane Hanson.

This award is effective September 1 , 2009 and expires August 31, 2012.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and NSF RTC Agency Specific Requirements (dated January 2009) available at <http://www.nsf.gov/awards/managing/rtc.jsp>.

NO historic or cultural property will be "adversely affected" until a Section

S-11845

106 MOA has been signed between the NSF, the Alaska State Historic Preservation Officer (AKSHPO), and interested communities.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at:
(<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>).

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF must be sent to the cognizant program official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address
[<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0909244>].

The cognizant NSF program official for this grant is Anna Kerttula de Echave, (703) 292-7432.

The cognizant NSF grants official contact is Andrea R. Kline, (703) 292-4820.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
anrgwl@uaa.alaska.edu

□

ARC-0909244
000

SUMMARY PROPOSAL BUDGET

Award No. 0909244

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (3.00) Total Senior personnel	0.00	0.00	6.00	\$42,498
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (6.00) Graduate students				\$82,092
4. (0.00) Secretarial-clerical				\$0
5. (6.00) Undergraduate students				\$18,220
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$142,810
C. Fringe benefits (if charged as direct cost)				\$25,208
Total salaries wages and fringes (A+B+C)				\$168,018
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$60,835
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$8,090
2. Publication costs/page charges				\$0
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$92,248
Total other direct costs				\$100,338
H. Total direct costs (A through G)				\$329,191

I. Total indirect costs	\$100,872
J. Total direct and indirect costs (H+I)	\$430,063
K. Residual funds / Small business fee	
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)	\$0
2. Small business fee	\$0
L. Amount of this request (J) or (J-K1+K2)	\$430,063
M. Cost sharing	\$0

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National Science Foundation
4201 Wilson Boulevard, Arlington, Virginia 22230, USA
Tel: 703-292-5111, FIRS: 800-877-8339 | TDD: 703-292-5090

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b. Project Summary

Early historical records about people of the Aleutian Archipelago of Alaska emphasized the importance of coastal resources to the cultures, leading Laughlin (1980:20) to conclude "The interior land surfaces on the other hand were irrelevant to their way of life." Archaeologists limited surveys for sites to the shoreline and eventually concluded there were no sites upland. Hanson, Staley, and Corbett found an upland site in 1983 with 17 bermed, circular, cultural depressions on Adak Island leading to a profound shift in their understanding of land use in the Aleutian Chain. In 2007, the three archaeologists returned and found eight new sites in the same area, demonstrating that upland sites are not anomalous nor were "interior lands irrelevant".

The goal of the project is to determine the function of upland sites on Adak Island. The objectives of this project are to incorporate data from site surveys and excavations into culture histories for the Central Aleutian Islands; develop a predictive model for upland sites; share the resulting information with colleagues, Aleut people, and the interested public; and provide a film about Aleutian Island archaeology to children attending Alaska Public schools.

The project activities will occur over three years. During the first year, the project will expand on earlier surveys to develop a predictive model for upland sites. The archaeologists will record new sites using a handheld GPS and map the new sites and sites found during the 2007 survey using a Trimble GeoXT or a tape and compass. A 50x50cm test pit will be excavated by trowel in each site to collect material for radiocarbon dating and record soil profiles. After the surveys are completed, two sites will be more extensively examined by excavating three 2x2m units that will include a cultural depression and an area outside of the cultural features. The units will be excavated in natural layers using trowels, the three-dimensional provenience of artifacts will be recorded, and all sediments screened through ¼-inch (6.4mm) mesh screen. An educational video about Aleutian Island archaeology will also be shot that year.

During the second year, one site will be excavated using the same methods described for the first year. The excavation area will be covered with a WeatherPort to protect the archaeologists from the elements and increase the excavation time. The final year will be used to complete laboratory analyses, prepare the material to submit to the University of Alaska Museum in Fairbanks and prepare papers for professional journals. The educational video will be reproduced and distributed to Alaska Public Schools in the third year.

The intellectual merits of the project are its contributions to understanding Aleutian prehistory, enhancing the culture history of the central Aleutian Islands, developing a better understanding of land-use by pre-contact Aleut people, and contributing to Island Archaeology and an understanding of human occupation of island archipelagos. Nothing is known about upland sites in the Aleutian Chain: their distribution, their function, nor the time-period with which these sites are associated. At the very least, the project will identify site function, and at the regional level, it will revise our understanding of Aleut culture.

The broader impacts from the proposed project are the contributions to public education, training opportunities, heritage preservation, and to the professional community. Contributions to the public will include an educational video, public presentations and the results will be incorporated into a book about the Aleutian Islands. Reports about the results will be sent to the Alaska Native community through corporations and the tribal government, and publications in professional journals and presentations at conferences will inform the professional community. The predictive model generated through this project will help the U.S. Fish and Wildlife Service manage cultural resources in the Alaska Maritime National Wildlife Refuge, and other cultural resource managers working in the region will use the information to anticipate the probability of encountering sites within construction areas. The project will also provide graduate, undergraduate, and high school students the opportunity to develop their own research and present their information in public and professional forums.

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National Science Foundation

4201 WILSON BOULEVARD, ARLINGTON, VIRGINIA 22230

Award Date:
Award No.
Proposal No.

August 26, 2009
ARC-0856305
ARC-0856305

Dr. Robert G. White
V.P. for Graduate Studies and Research Council
University of Alaska, Anchorage
3211 PROVIDENCE DRIVE
ANCHORAGE, AK 99508-4614

Dear Dr. White:

The National Science Foundation hereby awards a grant of \$545,143 to University of Alaska, Anchorage for support of the project described in the proposal referenced above.

This project, entitled "Bering Sea Sub Network: A Distributed Human Sensor Array to Detect Arctic Environmental Change," is under the direction of Lilian Alessa, Andrew D. Kliskey, in collaboration with the following proposals

Proposal No:	PI Name/Institution
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0856774	
S. Gofman, Aleut International Association	

	Victoria
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This award is effective September 1 , 2009 and expires August 31, 2014.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and NSF RTC Agency Specific Requirements (dated January 2009) available at <http://www.nsf.gov/awards/managing/rtc.jsp> and the following terms and conditions:

The provisions of NSF 08-579, "Arctic Observing Network" are applicable to this award.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at:
(<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>).

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF must be sent to the cognizant program official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address
[<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0856305>].

The cognizant NSF program official for this grant is Martin Jeffries, (703) 292-7442.

The cognizant NSF grants official contact is Maria Valerio, (703) 292-4832.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
anrgwl@uaa.alaska.edu

□

ARC-0856305
000

SUMMARY PROPOSAL BUDGET

Award No. 0856305

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (2.00) Total Senior personnel	18.50	0.00	0.00	\$162,758
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (5.00) Other professionals	1.50	0.00	0.00	\$32,275
3. (5.00) Graduate students				\$82,931
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$277,964
C. Fringe benefits (if charged as direct cost)				\$79,862
Total salaries wages and fringes (A+B+C)				\$357,826
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$16,877
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$10,000
2. Publication costs/page charges				\$0
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$29,641
Total other direct costs				\$39,641
H. Total direct costs (A through G)				\$414,344

I. Total indirect costs	\$130,799
J. Total direct and indirect costs (H+I)	\$545,143
K. Residual funds / Small business fee	
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)	\$0
2. Small business fee	\$0
L. Amount of this request (J) or (J-K1+K2)	\$545,143
M. Cost sharing	\$0

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0838892 07/01/2009 06/30/2013

Burns, Jennifer

Collaborative Research: Weddell seals as autonomous sensors of the winter oceanography of the Ross Sea

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FastLane NGIS Beta Site

National Science Foundation
4201 Wilson Boulevard, Arlington, Virginia 22230, USA
Tel: 703-292-5111, FIRS: 800-877-8339 | TDD: 703-292-5090

[Privacy and
Security](#)

Bering Sea Sub Network: A Distributed Human Sensor Array to Detect Arctic Environmental Change

1. Objectives, Research Questions and Products

The overall goal of the Bering Sea Sub Network (BSSN) is to improve knowledge of the environmental changes that are of significance to understanding pan-arctic processes, and to enable scientists, arctic communities and governments to predict, plan and respond to these changes.

Since BSSN (<http://www.bssn.net/>) was first conceived in 2005, it has emerged as an observing network that connects people bound by a common geographic area who share similar traditions, values, and ideals. Intended to be a replicable model for other regional community-based observation networks, BSSN is nearing completion of the Pilot Phase of the project.

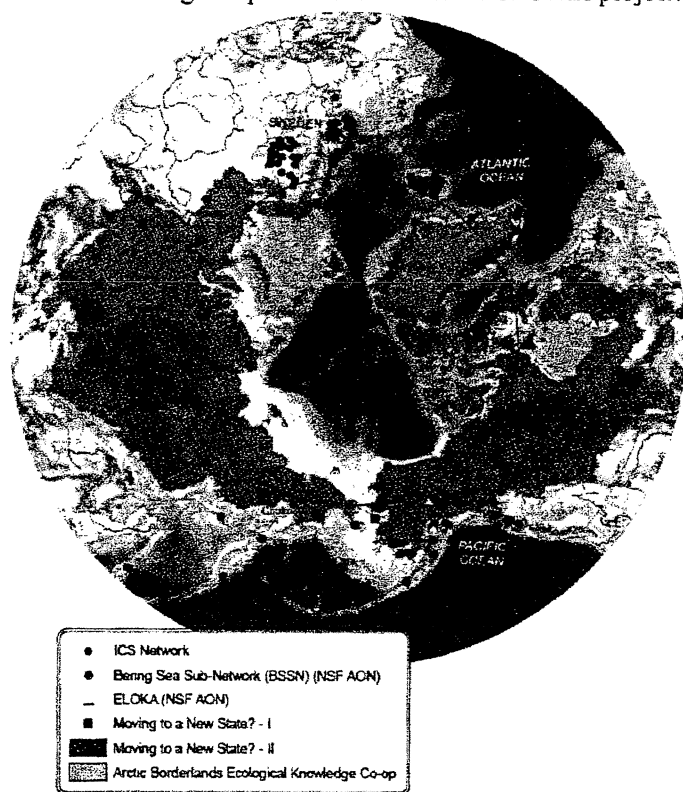


Figure 1. BSSN Pilot Phase network within pan-arctic human dimensions monitoring initiative (Source: LARPC 2007)

1.1. Overarching Goal

Our goal is to develop a framework to enable networks of human observers, in this case, residents in remote Arctic communities to systematically document physical and social changes occurring in their region. As a geographically distributed network of human “sensors”, it can provide data that are invaluable for the elaboration of adaptation strategies by governments, indigenous communities, and individuals. This may enhance community resilience under conditions of rapid environmental and social change. BSSN goals and objectives are coordinated with the objectives identified in the Study of Environmental Arctic Change (SEARCH), Arctic Observing Networks (AON) and other international monitoring network efforts. It is responsive to the needs identified therein both in terms of intellectual merit and relevance to Arctic residents and is the only project designed to be a community based Observatory for change.

1.2. Goals and Objectives

Based on the Pilot Phase of BSSN, we have identified three goals

and two objectives that can be accomplished in a fully executed project and are sufficient to provide usable observations and data summaries.

Goals:

1. Understand the variations in environmental and socio-economic conditions that have a meaningful impact on everyday life in indigenous communities in the Arctic;
2. Understand the evolution of past and present consequences of change and potential strategies in order to enhance communities' capacity to adapt ;
3. Understand the interactions and feedbacks between the biophysical and social systems, so as to assess how changes in each impact one another.

Objectives:

1. Expand the number of human observers as well as participating communities: a) evolve the logistical and technical infrastructure already established in the BSSN Pilot Phase; b) refine the Pilot Phase survey instrument and continue collection of data on selected key variables and indicators in a

Subject: Award Id : 0917667, PI: Bigelow

From: rjoyce@nsf.gov

Date: 24 Aug 2009 17:29:08 -0400

To: fygrcon@uaf.edu

CC: dgaawd@nsf.gov

Award Date:

August 24, 2009

Award No.

BCS-0917667

Proposal No.

BCS-0917667

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$25,819 to University of Alaska Fairbanks for support of the project described in the proposal referenced above.

This project, entitled "Collaborative Research: What is the Nenana Complex? New Excavations at the Late-Pleistocene Owl Ridge Site, Central Alaska," is under the direction of Nancy H. Bigelow, in collaboration with the following proposals

Proposal No: PI Name/Institution

0917648
Research Foundation

Kelly E. Graf, Texas A&M

This award is effective September 1 , 2009 and expires August 31, 2011.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots..

All data sets produced with the assistance of this award shall be archived at a data library approved by the cognizant Program Officer, no later than one year after the expiration date of the grant. In cases that involve issues of confidentiality or privacy, precautions consonant with human subjects guidelines as stated in the NSF Regulation entitled, "Protection of Human Subjects [45 CFR 690]," shall be observed.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0917667>].

The cognizant NSF program official for this grant is John E. Yellen, (703) 292-8759.

The cognizant NSF grants official contact is Virginia A. Hall, (703) 292-8210.

Sincerely,

Robert F. Joyce
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

BCS-0917667
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (2.00) Total Senior personnel	2.00	0.00	0.00	\$9,058
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (0.00) Graduate students				\$0
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$9,058
C. Fringe benefits (if charged as direct cost)				\$4,411
Total salaries wages and fringes (A+B+C)				\$13,469
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$0
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$800
2. Publication costs/page charges				\$0
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$3,525
Total other direct costs				\$4,325
H. Total direct costs (A through G)				\$17,794
I. Total indirect costs				\$8,025
J. Total direct and indirect costs (H+I)				\$25,819
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$25,819
M. Cost sharing				\$0

Subject: Award Id : 0807245, PI: Berge
From: jrobey@nsf.gov
Date: 25 Aug 2009 07:44:53 -0400
To: fygrcon@uaf.edu
CC: dgaawd@nsf.gov

Award Date:
Award No.
Proposal No.

August 25, 2009
ARC-0807245
ARC-0807245

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$184,616 to University of Alaska Fairbanks for support of the project described in the proposal referenced above.

This project, entitled "Continuing Support for Aleu t Linguistics and Language Learning Materiials," is under the direction of Anna Berge.

This award is effective September 1 , 2009 and expires August 31, 2011.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots. and the following terms and conditions:

The provisions of NSF 08-597, "Arctic Research Opportunities" are applicable to this award.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at: (<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>).

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF must be sent to the cognizant program official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0807245>].

The cognizant NSF program official for this grant is Anna Kerttula de Echave, (703) 292-7432.

The cognizant NSF grants official contact is Maria Valerio, (703) 292-4832.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ARC-0807245
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (2.00) Total Senior personnel	0.00	0.00	2.00	\$12,070
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (4.00) Graduate students				\$54,699
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$66,769
C. Fringe benefits (if charged as direct cost)				\$9,944
Total salaries wages and fringes (A+B+C)				\$76,713
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$22,604
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$5,000
2. Publication costs/page charges				\$3,000
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$21,688
Total other direct costs				\$29,688
H. Total direct costs (A through G)				\$129,005
I. Total indirect costs				\$55,611
J. Total direct and indirect costs (H+I)				\$184,616
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$184,616

M. Cost sharing	\$0
-----------------	-----

Subject: Award Id : 0934683, PI: Eicken
From: jrobey@nsf.gov
Date: 25 Aug 2009 12:21:28 -0400
To: fygrcon@uaf.edu
CC: dgaawd@nsf.gov

Award Date:
Award No.
Proposal No.

August 25, 2009
ARC-0934683
ARC-0934683

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$308,728 to University of Alaska Fairbanks for support of the project described in the proposal referenced above as modified by revised budget dated July 27, 2009.

This project, entitled "CMG COLLABORATIVE RESEARCH: Mathematics and Electromagnetics for Monitoring Transport Processes in Sea Ice," is under the direction of Hajo Eicken, in collaboration with the following proposals

Proposal No: PI Name/Institution

0934721
Utah

Kenneth M. Golden, University of

This award is effective October 1 , 2009 and expires September 30, 2013.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:

<http://www.nsf.gov/publications/pub summ.jsp?ods key=arra0509>

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots. and the following terms and conditions:

The provisions of NSF 09-520, "Collaboration in Mathematical Geosciences" are applicable to this award.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at: (<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>) .

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF must be sent to the cognizant program official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0934683>].

The cognizant NSF program official for this grant is William J. Wiseman, Jr., (703) 292-4750.

The cognizant NSF grants official contact is Maria Valerio, (703) 292-4832.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ARC-0934683
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (1.00) Total Senior personnel	3.50	0.00	0.00	\$33,441
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (2.00) Other professionals	2.00	0.00	0.00	\$10,072
3. (3.00) Graduate students				\$77,229
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$120,742
C. Fringe benefits (if charged as direct cost)				\$31,190
Total salaries wages and fringes (A+B+C)				\$151,932
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$5,929
2. Foreign				\$4,682
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$1,000
2. Publication costs/page charges				\$1,000
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$59,462
Total other direct costs				\$61,462
H. Total direct costs (A through G)				\$224,005
I. Total indirect costs				\$84,723
J. Total direct and indirect costs (H+I)				\$308,728
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$308,728
M. Cost sharing				\$0

Subject: Award Id : 0909193, PI: Okkonen

From: jrobey@nsf.gov

Date: 26 Aug 2009 12:05:32 -0400

To: fygrcon@uaf.edu

CC: dgaawd@nsf.gov

Award Date:
Award No.
Proposal No.

August 26, 2009
ARC-0909193
ARC-0909193

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$336,880 to University of Alaska Fairbanks for support of the project described in the proposal referenced above.

This project, entitled "Collaborative Research: A winter expedition to explore the biological and physical conditions of the Bering, Chukchi, and Southern Beaufort Seas," is under the direction of Stephen Okkonen, in collaboration with the following proposals

Proposal No: PI Name/Institution

0909368
Oceanographic Institution
0909006
of Rhode Island

Carin J. Ashjian, Woods Hole

Robert G. Campbell, University

This award is effective September 15, 2009 and expires August 31, 2012.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
<http://www.nsf.gov/publications/pubsumm.jsp?odskey=arra0509>

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots. and the following terms and conditions:

The provisions of NSF 08-597, "Arctic Research Opportunities" are applicable to this award.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at:
<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>.

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF

must be sent to the cognizant program official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0909193>].

The cognizant NSF program official for this grant is William J. Wiseman, Jr., (703) 292-4750.

The cognizant NSF grants official contact is Maria Valerio, (703) 292-4832.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ARC-0909193
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (1.00) Total Senior personnel	6.50	0.00	0.00	\$48,670
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (2.00) Other professionals	8.00	0.00	0.00	\$31,190
3. (3.00) Graduate students				\$82,140
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$162,000
C. Fringe benefits (if charged as direct cost)				\$42,543
Total salaries wages and fringes (A+B+C)				\$204,543
D. Total permanent equipment				\$6,500
E. Travel				
1. Domestic				\$0
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$630
2. Publication costs/page charges				\$0
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$38,128
Total other direct costs				\$38,758
H. Total direct costs (A through G)				\$249,801
I. Total indirect costs				\$87,079
J. Total direct and indirect costs (H+I)				\$336,880
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$336,880
M. Cost sharing				\$0

Subject: Award Id : 0909568, PI: Coakley
From: jrobey@nsf.gov
Date: 26 Aug 2009 08:30:24 -0400
To: fygrcon@uaf.edu
CC: dgaawd@nsf.gov

Award Date:
Award No.
Proposal No.

August 26, 2009
ARC-0909568
ARC-0909568

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$607,031 to University of Alaska Fairbanks for support of the project described in the proposal referenced above as modified by revised budget dated August 5, 2009.

This project, entitled "Plate Boundaries Around the Chukchi Borderland; An Integrated Geophysics Cruise to Test Models for the Formation of the Canada Basin," is under the direction of Bernard J. Coakley.

This award is effective September 1 , 2009 and expires August 31, 2012.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
<http://www.nsf.gov/publications/pub summ.jsp?ods key=arra0509>

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots. and the following terms and conditions:

The provisions of NSF 08-597 - Arctic Research Opportunities" are applicable to this award.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at: (<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>).

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF must be sent to the cognizant program

official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0909568>].

The cognizant NSF program official for this grant is William J. Wiseman, Jr., (703) 292-4750.

The cognizant NSF grants official contact is Maria Valerio, (703) 292-4832.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ARC-0909568
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (1.00) Total Senior personnel	7.00	0.00	0.00	\$62,893
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (3.00) Graduate students				\$81,057
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$143,950
C. Fringe benefits (if charged as direct cost)				\$25,895
Total salaries wages and fringes (A+B+C)				\$169,845
D. Total permanent equipment				\$60,500
E. Travel				
1. Domestic				\$42,933
2. Foreign				\$17,242
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$38,600
2. Publication costs/page charges				\$7,300
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$114,431
Total other direct costs				\$160,331
H. Total direct costs (A through G)				\$450,851
I. Total indirect costs				\$156,180
J. Total direct and indirect costs (H+I)				\$607,031
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0

L. Amount of this request (J) or (J-K1+K2)

\$607,031

M. Cost sharing

\$0

Subject: Award Id : 0950427, PI: Davis
From: jhfrench@nsf.gov
Date: 27 Aug 2009 10:26:16 -0400
To: fygrcon@uaf.edu
CC: dgaawd@nsf.gov

Award Date:
Award No.
Proposal No.

August 27, 2009
ARC-0950427
ARC-0950427

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$49,818 to University of Alaska Fairbanks for support of the project described in the proposal referenced above.

This project, entitled "A Workshop on Climate Change as an Indigenous Issue," is under the direction of Michael E. Davis.

This award is effective September 1 , 2009 and expires August 31, 2010.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
<http://www.nsf.gov/publications/pubsumm.jsp?odskey=arra0509>

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots..

F.L. 26, "Administration of NSF Conference or Group Travel Award Grant Special Conditions," dated 03/08, are applicable. See www.nsf.gov/pubs/policydocs/fl2608.pdf

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0950427>].

The cognizant NSF program official for this grant is Anna Kerttula de Echave, (703) 292-7432.

The cognizant NSF grants official contact is Shirley K. Byrd, (703) 292-5305.

Sincerely,

Jamie H. French
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ARC-0950427
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (1.00) Total Senior personnel	0.00	0.00	0.00	\$0
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (0.00) Graduate students				\$0
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$0
C. Fringe benefits (if charged as direct cost)				\$0
Total salaries wages and fringes (A+B+C)				\$0
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$0
2. Foreign				\$11,992
F. Total participant support costs				\$34,228
G. Other direct costs				
1. Materials and supplies				\$0
2. Publication costs/page charges				\$0
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$0
Total other direct costs				\$0
H. Total direct costs (A through G)				\$46,220
I. Total indirect costs				\$3,598
J. Total direct and indirect costs (H+I)				\$49,818
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$49,818
M. Cost sharing				\$0

Subject: Award Id : 0926220, PI: Simpson

From: rjoyce@nsf.gov

Date: 30 Aug 2009 17:14:50 -0400

To: fygrcon@uaf.edu

CC: dgaawd@nsf.gov

Award Date:

August 30, 2009

Award No.

ATM-0926220

Proposal No.

ATM-0926220

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$161,037 to University of Alaska Fairbanks for support of the project described in the proposal referenced above as modified by NSF

This project, entitled "Role of Ice in High Latitude Nitrogen Atmospheric Chemistry," is under the direction of William R. Simpson, Carmen Moelders.

This award is effective September 1 , 2009 and expires August 31, 2011.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots..

All data sets produced with the assistance of this award shall be archived at a data library approved by the cognizant Program Officer, no later than one year after the expiration date of the grant. In cases that involve issues of confidentiality or privacy, precautions consonant with human subjects guidelines as stated in the NSF Regulation entitled, "Protection of Human Subjects [45 CFR 690]," shall be observed.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0926220>].

The cognizant NSF program official for this grant is Alexander A.P. Pszenny, (703) 292-8522.

The cognizant NSF grants official contact is Virginia A. Hall, (703) 292-8210.

Sincerely,

Robert F. Joyce
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ATM-0926220
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (2.00) Total Senior personnel	1.00	0.00	0.00	\$9,491
B. Other Personnel				
1. (1.00) Post Doctoral associates	4.00	0.00	0.00	\$13,842
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (3.00) Graduate students				\$40,571
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$63,904
C. Fringe benefits (if charged as direct cost)				\$10,754
Total salaries wages and fringes (A+B+C)				\$74,658
D. Total permanent equipment				\$11,455
E. Travel				
1. Domestic				\$11,689
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$5,000
2. Publication costs/page charges				\$2,000
3. Consultant services				\$0
4. Computer (ADPE) services				\$0
5. Subcontracts				\$0
6. Other				\$12,647
Total other direct costs				\$19,647
H. Total direct costs (A through G)				\$117,449
I. Total indirect costs				\$43,588
J. Total direct and indirect costs (H+I)				\$161,037
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$161,037
M. Cost sharing				\$0

Subject: Award Id : 0920917, PI: Schmidt
From: rjoyce@nsf.gov
Date: 30 Aug 2009 19:54:43 -0400
To: fygrcon@uaf.edu
CC: dgaawd@nsf.gov

Award Date:	August 30, 2009
Award No.	DMS-0920917
Proposal No.	DMS-0920917

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$50,812 to University of Alaska Fairbanks for support of the project described in the proposal referenced above.

This project, entitled "Collaborative Research: Plant-herbivore interactions mediated by toxin-determined functional response," is under the direction of Jennifer I. Schmidt, in collaboration with the following proposals

Proposal No:	PI Name/Institution
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0920828 University	Zhilan J. Feng, Purdue
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This award is effective September 1 , 2009 and expires August 31, 2012.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots..

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0920917>].

The cognizant NSF program official for this grant is Mary Ann Horn, (703) 292-4879.

The cognizant NSF grants official contact is Ilonka Karasz, (703) 292-4831.

Sincerely,

Robert F. Joyce
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

DMS-0920917
000

SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (1.00) Total Senior personnel	4.50	0.00	0.00	\$19,480
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (0.00) Other professionals	0.00	0.00	0.00	\$0
3. (0.00) Graduate students				\$0
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$19,480
C. Fringe benefits (if charged as direct cost)				\$6,253
Total salaries wages and fringes (A+B+C)				\$25,733
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$5,035
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$1,600
2. Publication costs/page charges				\$1,000
3. Consultant services				\$0
4. Computer (ADPE) services				\$1,350
5. Subcontracts				\$0
6. Other				\$300
Total other direct costs				\$4,250
H. Total direct costs (A through G)				\$35,018
I. Total indirect costs				\$15,794
J. Total direct and indirect costs (H+I)				\$50,812
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0
L. Amount of this request (J) or (J-K1+K2)				\$50,812
M. Cost sharing				\$0

Subject: Award Id : 0957136, PI: Holton

From: jrobey@nsf.gov

Date: 28 Aug 2009 08:05:35 -0400

To: fygrcon@uaf.edu

CC: dgaawd@nsf.gov

Award Date:

August 28, 2009

Award No.

ARC-0957136

Proposal No.

ARC-0957136

Ms. Maggie Griscavage
Director, Grant and Contract Services
University of Alaska Fairbanks
Adm Svcs Ctr Rm 109
3295 College Road
Fairbanks, AK 99709-3705

Dear Ms. Griscavage:

The National Science Foundation hereby awards a grant of \$491,178 to University of Alaska Fairbanks for support of the project described in the proposal referenced above.

This project, entitled "Alaska Native Language and Oral History Digital Audio Resources," is under the direction of Gary Holton, Michael E. Krauss.

This award is effective September 15, 2009 and expires August 31, 2011.

This award is funded under the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5) and is subject to the ARRA Terms and Conditions, dated May, 2009, available on the NSF website at:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is also subject to Research Terms and Conditions (RTC, dated July 2008) and the NSF RTC Agency-Specific Requirements (dated January 2009) are available at <http://www.nsf.gov/awards/managing/rtc.jsp>. This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase V Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots. and the following terms and conditions:

The provisions of NSF 08-597 - Arctic Research Opportunities" are applicable to this award.

The Director of the Office of Polar Programs has established Guidelines and Award Conditions for OPP Scientific Data effective in FY-99. The full document is available on the OPP webpages at: (<http://www.nsf.gov/pubs/1999/opp991/opp991.txt>).

Principal Investigators of OPP awards should make their data available to all reasonable requests. Where applicable, the Principal Investigators should submit the data collected to designated data centers as soon as possible, but no later than two (2) years after the data are collected. For continuing observations, data inventories should be submitted periodically if and when there is a significant change in location, type or frequency of such observations.

Principal Investigators of OPP-funded awards are REQUIRED to submit to appropriate electronic data directories, a description of their data (i.e., metadata) resulting from OPP-funded research in the form of a Directory Interchange Format (DIF) entry. Submission of the DIF may be at any time during the tenure of the grant. At the time of submission of the Final Report to NSF, a copy of the DIF must be sent to the cognizant program

official in OPP.

For OPP-supported Antarctic projects, DIF submission should be to the Antarctic Master Directory, via the USAP Data Coordination Center (<http://www.usap-data.org/>). For OPP-supported Arctic projects, DIF submission should be to the Arctic System Science Data Coordination Center at <http://arcss.colorado.edu>.

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://www.fastlane.nsf.gov/researchadmin/prsLoginHome.do?awdID=0957136>].

The cognizant NSF program official for this grant is Anna Kerttula de Echave, (703) 292-7432.

The cognizant NSF grants official contact is Maria Valerio, (703) 292-4832.

Sincerely,

John C. Robey
Grants and Agreements Officer

CFDA No. 47.082
fygrcon@uaf.edu

ARC-0957136
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SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (4.00) Total Senior personnel	0.00	0.00	0.00	\$0
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (6.00) Other professionals	16.00	11.00	5.00	\$71,683
3. (0.00) Graduate students				\$0
4. (0.00) Secretarial-clerical				\$0
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$71,683
C. Fringe benefits (if charged as direct cost)				\$37,443
Total salaries wages and fringes (A+B+C)				\$109,126
D. Total permanent equipment				\$0
E. Travel				
1. Domestic				\$2,628
2. Foreign				\$0
F. Total participant support costs				\$0
G. Other direct costs				
1. Materials and supplies				\$3,200
2. Publication costs/page charges				\$0
3. Consultant services				\$0
4. Computer (ADPE) services				\$10,000
5. Subcontracts				\$0
6. Other				\$312,240
Total other direct costs				\$325,440
H. Total direct costs (A through G)				\$437,194
I. Total indirect costs				\$53,984
J. Total direct and indirect costs (H+I)				\$491,178
K. Residual funds / Small business fee				
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)				\$0
2. Small business fee				\$0

L. Amount of this request (J) or (J-K1+K2)
M. Cost sharing

\$491,178
\$0